

Inventions & Innovation Emerging Technology

Frequency-Selective Solar Glazing System

A new glazing technology shows promise for reducing absorbed energy in automobiles and buildings. The characteristics of the new technology also make it ideal for trapping heat in solar-thermal collectors. The new glazing blocks convection, provides a frequency-selective radiation barrier, reduces energy loss to the environment, and results in energy savings by decreasing cooling loads. The improved glazing can be easily manufactured using current technology and represents a substantially new product for the glass industry.



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